



**HAZARDOUS BUILDING MATERIAL
ASSESSMENT
TROPICANA BANQUET HALL
620 SOUTH HALSTED STREET
CHICAGO HEIGHTS, ILLINOIS 60411**

PREPARED FOR:

City of Chicago Heights
1601 Chicago Road
Chicago Heights, Illinois 60411

PREPARED BY:

URS Corporation
100 South Wacker Drive, Suite 500
Chicago, Illinois 60606

April 28, 2011

URS Project No.: 25367713

HAZARDOUS BUILDING MATERIALS ASSESSMENT

A hazardous building materials assessment was completed to identify asbestos-containing material (ACM), lead-containing paint (LCP), PCB-containing equipment, mercury-containing items and ozone-depleting substances (ODS).

Asbestos-Containing Materials (ACM)

URS conducted a limited asbestos survey (LAS) of visible materials located at the subject building. The sampling was performed by Ms. Stacy McCance, a USEPA Asbestos Hazard Emergency Response Act (AHERA)-accredited and Illinois Department of Public Health (IDPH)-licensed asbestos building inspector (License #100-08400). Representative bulk samples were collected from each homogeneous area (HA) of suspect ACM (SACM) observed. URS exercised due care during the sampling to minimize destruction of building materials. URS did not sample nor investigate SACM in live mechanical, electrical or other equipment. Roofing materials were not sampled due to the unknown integrity of the roof (due to leaks).

An assessment of material condition was performed by the accredited inspector at the time of inspection. The materials sampled by URS were noted to be in good condition at the time of the LAS. Materials sampled are presented in the attached Table 1. Samples were collected from each sample location, or homogeneous area (based on the total dimensions of the area) using noninvasive sampling techniques. Sample collection of homogeneous building materials was performed with emphasis on representative distribution throughout the identified project area, and random distribution. Sample locations were biased when necessary to obtain samples from patches or other localized areas. A minimum of three samples were collected from each building material, in accordance with guidelines. Samples were submitted for laboratory analysis to STAT Analysis Corporation, a National Voluntary Laboratory Accreditation Program (NVLAP)-certified asbestos testing facility (NVLAP Lab Code: 101202-0) in Chicago, Illinois using Polarized Light Microscopy (PLM) bulk sampling Method EPA 600/R-93-116. USEPA guidance recommends analysis of non-friable materials by transmission electron microscopy (TEM) with gravimetric reduction due to the high number of “false negative” PLM analyses for these types of materials. The samples will be retained for a period of ninety days after results are reported to allow for follow-up or re-analysis, if requested.

The inspector collected 65 samples from plaster; caulk; floor tiles and mastics; cove base and mastics; textured ceiling material; drywall/joint compound/tape; carpet mastic; and ceiling tile. During sample analysis, each sample was subdivided into its component parts and analytical results were reported on each component of each sample. This resulted in the possibility of more than one analytical result per sample (106 samples were analyzed). Asbestos was detected in floor tiles and mastics and ceiling texture (see Table 1). The remaining samples collected and analyzed were non-detect for asbestos via PLM analysis. Laboratory results and the chain of custody are appended to this report.

If materials that were not sampled as part of this LAS become planned for impact during renovation, that material must be sampled prior to being cut, sanded, abraded, broken, or disturbed in any manner. SACM

may be present in inaccessible areas (e.g., wall cavities enclosed by wallboard, wallboard, baseboards, flooring covered by concrete, etc.) that were not surveyed. Building materials in inaccessible areas should be assumed to contain asbestos until sampling is performed in those areas. URS recommends that ACM be removed prior to renovation or demolition. It should be recognized that this study is limited to the materials, locations and analytical methods described herein. It is possible that asbestos materials exist at the site in inaccessible areas. As noted above, building materials in inaccessible areas should be assumed to contain asbestos until sampling is performed in those areas. If SACM is encountered during renovation or demolition activities, further sampling will be required to characterize those materials.

A copy of the asbestos laboratory results is included in Appendix A.

Lead-Containing Paint (LCP)

URS conducted a limited LCP survey located at the subject building. Hazardous conditions for leaded paint include the following: paint that is peeling, flaking, chipping, or chalking; paint areas subject to friction or abrasion; and, paint areas undergoing renovation. Lead inspection procedures were performed by Ms. McCance, an IDPH-licensed lead inspector (License #005713) to identify LCP using paint chip sampling. URS conducted samples in a non-destructive manner by collecting paint chip samples from areas in which paint was damaged and flaking. Loose and flaking LBP identified must be removed prior to demolition.

A total of 8 paint chip samples from peeling/flaking paint were collected for laboratory analysis of lead. Each sample was placed in an uncontaminated container that was sealed and labeled with a unique identifying number. The identification number was recorded on the sample container prior to submittal to the laboratory under appropriate chain-of-custody procedures for analysis. The paint chips were carefully collected to ensure that underlying layers of paint were collected, but to minimize the amount of substrate material included in the sample. URS sampled representative peeling/flaking paints; however, all of the individually painted components within the building were not sampled.

The paint chip samples were analyzed via Flame Atomic Absorption (FLAA) Spectrophotometry for lead content by STAT Analysis Corporation, which is accredited by the American Industrial Hygiene Association (AIHA) to conduct lead analyses. Analytical results from LCP sampling indicated that none of the samples collected exhibited elevated concentrations of lead (greater than or equal to 0.05% [5,000 parts per million or milligrams per kilogram (mg/kg)]). Detectable lead was identified in three of the samples collected. A summary of the lead analytical results as well as the location of LCP is provided in Table 2.

If materials that were not sampled as part of this limited LCP survey become planned for impact during renovation, that material must be sampled prior to being cut, sanded, abraded, broken, or disturbed in any manner. Suspect LCP may be present in inaccessible areas (e.g., wall cavities enclosed by wallboard, etc.) of the building that were not surveyed. Paint in inaccessible areas should be assumed to be LCP until sampling is performed in those areas.

A copy of the lead laboratory results is included in Appendix A.

PCB-Containing Equipment

URS identified fluorescent light ballasts throughout the subject building as potential PCB-containing equipment. The USEPA banned the manufacture of PCBs in 1978. Before 1978, PCBs were commonly incorporated in the manufacture of fluorescent light ballasts. The use of PCBs in ballasts manufactured prior to 1978 is not regulated by the USEPA. All light ballasts manufactured since 1978 which do not contain PCBs should be marked by the manufacturer with the statement, "No PCBs." For those manufactured prior to that time, or for those ballasts which contain no statement regarding PCB content, the inspector is to assume that they do contain PCBs.

No hydraulic oil reservoirs or other equipment with the potential to contain PCBs was noted in the subject building.

URS notes that the USEPA has identified PCB-containing window glazing installed in the 1950s through 1970s in some buildings. Buildings constructed after 1980 are less likely to include glazing that contains PCBs. As the subject building was reportedly constructed in the 1960s, URS recommends that any window glazing within the structure be removed and properly disposed of prior to demolition and in accordance with USEPA Best Management Practices (BMPs).

Four utility-owned, pole-mounted transformers were observed on the subject property. One rusted pole-mounted transformer was noted on the west side of the property and three pole-mounted transformers were located on the southern portion of the site west of the adjacent carwash building. No labels indicating PCB-content were observed with the exception of one of the three pole-mounted transformers at the southern portion of the site was labeled as non-PCB. No staining or leakage was observed associated with the four pole-mounted transformers.

Fluorescent lighting was observed in the subject building. URS did not inspect the ballasts for PCB labels as dismantling equipment would have been required. Based on the construction date of the building, there is the potential that the ballasts contain PCBs. No obvious leaks from ballasts were noted by URS.

No additional electrical or hydraulic equipment with the potential to contain PCBs was noted on the subject property. URS recommends that prior to demolition, all PCB-containing equipment be removed and properly disposed.

Mercury-Containing Items

URS identified approximately one potentially mercury-containing thermostat in the kitchen of the subject building. Additional thermostats or mercury-containing switches may be located in other areas of the subject building. URS recommends that prior to demolition, all mercury-containing instruments be removed and properly disposed.

Ozone-Depleting Substances (ODS)

URS presumes that various equipment containing ODS are situated in the subject building. Freezers and other refrigeration equipment was noted in the subject building kitchen. No drinking water fountains were noted; however, air conditioning equipment presumably is situated on the roof. URS recommends that prior to demolition, all ODS-containing equipment be removed and properly disposed.

Tables

Table 1 Asbestos Analytical Results

Table 2 Lead Analytical Results

Appendices

Appendix A Laboratory Results

Tables

Table 1 - Asbestos Analytical Results

Sample No.	Sample Location	Sample Description	Friable Y/N	Estimated Quantity	Asbestos Content
1a	Kitchen - east central	Ceiling plaster	N	NA	ND
1b	Kitchen - north wall above shelving				
1c	Kitchen - northeast corner above shelving				
2	Kitchen - east wall equipment	Caulk	N	NA	ND
3a	Kitchen hallway	Tan (with darker tan/brown) 12"x12" floor tile and black m	N	*TBD	Chrysotile 1-5% in both tile and mastic
3b					
3c					
4a	Kitchen hallway	4" brown vinyl base cove with mastics (tan, yellow, brown)	N	NA	ND in both cove and mastic
4b					
4c					
5a	Freezer room off of kitchen hallway	Light tan speck 12"x12" floor tile with black and yellow mastic	N	*TBD	ND in tile; Chrysotile 1-5% in mastic
5b					
5c					
6a	Rear stairs (southwest corner)	Darker tan 9"x9" floor tile with black mastic	N	*TBD	Chrysotile 5-10% in tile; 1-5% in mastic
6b					
6d					
7a	Southwest corner of building	Red-painted ceiling texture	Y	NA	ND
7b					
7c					
8a	Small banquet south of main	New drywall and tape (no joint compound)	N	NA	ND in drywall, tape and joint compound
8b		New drywall with joint compound and tape			
8c		New drywall with joint compound and tape			
8d		Joint compound and tape (no drywall)			

Table 1 - Asbestos Analytical Results

Sample No.	Sample Location	Sample Description	Friable Y/N	Estimated Quantity	Asbestos Content
9a	Orange hallway between backroom areas and small banquet (southwest area)	Wood patterned 12"x12" floor tile over tan with brown strip 12"x12" floor tile with brown, black and yellow mastics (4 layers)	N	*TBD	ND in both top layer of tile and mastic; Chrysotile 1-5% in both tile and mastic of second layer
9b					
9c					
10a	Orange hallway between backroom areas and small banquet (southwest area)	2'x4' ceiling tile	Y	NA	ND
10b					
10c					
11a	Orange hallway between backroom areas and small banquet (southwest area)	Dark brown 4" vinyl base cove with yellow brown mastic	N	NA	ND in both cove and mastic
11b					
11c					
12a	Small banquet, southern portion	Yellow mastic under green carpeting	N	NA	ND
12b					
12c					
13a	Small banquet, southern portion	White with red 12"x12" floor tile under carpeting and on dance floor with black mastic	N	*TBD	Chrysotile 1-5% in both tile and mastic
13b					
13c					
14a	East stairwell	White/gray 9"x9" floor tile with black mastic	N	*TBD	Chrysotile 1-5% in both tile and mastic
14b					
14c					

Table 1 - Asbestos Analytical Results

Sample No.	Sample Location	Sample Description	Friable Y/N	Estimated Quantity	Asbestos Content
15a	Main banquet, north stage	Mix of floor tiles: Brown 12"x12" with black mastic; gray and tan 9"x9"; brown and white 12"x12" under carpet with black and yellow/brown mastic; and brown 9"x9" with black mastic	N	*TBD	Chrysotile 1-5% in both tile and mastic
15b					
15c					
15d					
16a	Main banquet	Ceiling texture with paint - pink and burgundy	Y	*TBD	ND
16b					Chrysotile 1-5%
16c					Chrysotile 1-5%
16d					Chrysotile 1-5%
17a	Main banquet	Older drywall, no joint compound or tape	N	NA	ND
17b					
17c					
18a	Main banquet, bar at northeast side	Black and gray 12"x12" floor tile with black mastic	N		ND in floor tile; Chrysotile 1-5% in mastic
18b					
18c					
19a	East of main banquet (stock rooms/restrooms)	2'x2' ceiling tile (some painted black)	Y	NA	ND
19b					
19c					
20a	East of main banquet (offices) and east bar of main banquet	2'x4' ceiling tile (some painted green in east bar of main banquet)	Y	NA	ND
20b					
20c					
21a	Entrance	Yellow and gray mastic on concrete (formerly under carpeting)	N	NA	ND
21b					
21c					

NOTES:

Y = Yes

N = No

ND = No asbestos detected

NA = Not applicable

Bolded samples found to contain asbestos.

*TBD = To be determined; quantities were not estimated at the time of the survey; quantities should be estimated prior to initiating abatement activities.

Table 2 - Lead Results

Sample No.	Interior/ Exterior	Area	Feature	Substrate	Color	Lead Content (ppm)
1	Interior	Kitchen	Paint on ceiling	Plaster	Tan	<96
2	Interior	Dishwasher area	Paint on duct work	Duct work	White	470
3	Interior	Basement	Paint on wall	Concrete block	Tan/white	850
4	Exterior	Entrance	Paint on concrete	Concrete	Yellow/gray	<85
5	Exterior	Entrance	Paint on canopy	Metal	White/gray	290
6	Interior	Southwest corner of building (red room)	Paint on textured ceiling material	Textured ceiling material over drywall	Red	<96
7	Interior	Main banquet	Paint on textured ceiling material	Textured ceiling material over plaster	Pink	<91
8	Interior	Main banquet	Paint on textured ceiling material	Textured ceiling material over plaster	Burgundy	<95

Notes

ppm = parts per million by weight (or milligrams per kilogram)

Bolded samples indicate those exhibiting elevated concentrations of lead above regulatory standards of 5,000 ppm (mg/kg)

Appendix A

Laboratory Results

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

URS Corporation
 100 South Wacker Drive Suite 500
 Chicago, IL 60606
 Phone: (312) 939-1000
 Fax: (312) 939-4198

Reference: 2536 7713.52000 Date Received: 03/25/2011
 Location: Tropicana C Hgts Date Analyzed: 04/01/2011
 Batch No.: 294521 Date Reported: 04/01/2011
 Customer No.: 298 Turn Around Time: 5 Days

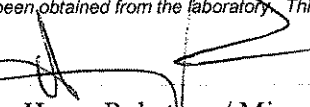
Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
294521001	SA-1a	ND	Binder 90-95% Other 5-10%
294521002	SA-1b	ND	Binder 90-95% Other 5-10%
294521003	SA-1c	ND	Binder 90-95% Other 5-10%
294521004	SA-2	ND	Binder 99-100%
294521005	SA-3a	Chrysotile 1-5%	Binder 95-99%
294521006	SA-3b	Chrysotile 1-5%	Binder 95-99%
294521007	SA-3c	Chrysotile 1-5%	Binder 95-99%
294521008	SA-3a-M	Chrysotile 1-5%	Binder 95-99%
294521009	SA-3b-M	Chrysotile 1-5%	Binder 95-99%
294521010	SA-3c-M	Chrysotile 1-5%	Binder 95-99%
294521011	SA-4a	ND	Binder 99-100%
294521012	SA-4b	ND	Binder 99-100%
294521013	SA-4c	ND	Binder 99-100%
294521014	SA-4a-M	ND	Binder 99-100%
294521015	SA-4b-M	ND	Binder 99-100%
294521016	SA-4c-M	ND	Binder 99-100%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

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Analyzed by Name: 

Henry Robateau / Microscopist

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Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
294521017	SA-5a	ND	Binder 99-100%
294521018	SA-5b	ND	Binder 99-100%
294521019	SA-5c	ND	Binder 99-100%
294521020	SA-5a-M	Chrysotile 1-5%	Binder 95-99%
294521021	SA-5b-M	Chrysotile 1-5%	Binder 95-99%
294521022	SA-5a-M	Chrysotile 1-5%	Binder 95-99%
294521023	SA-6a	Chrysotile 5-10%	Binder 90-95%
294521024	SA-6b	Chrysotile 5-10%	Binder 90-95%
294521025	SA-6c	NA	
294521026	SA-6d	Chrysotile 5-10%	Binder 90-95%
294521027	SA-6a-M	Chrysotile 1-5%	Binder 95-99%
294521028	SA-6b-M	Chrysotile 1-5%	Binder 95-99%
294521029	SA-6c-M	NA	
294521030	SA-6d-M	Chrysotile 1-5%	Binder 95-99%
294521031	SA-7a	ND	Binder 99-100%
294521032	SA-7b	ND	Binder 99-100%
294521033	SA-7c	ND	Binder 99-100%

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Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
294521034	SA-8a	ND	Cellulose 5-10% Binder 90-95%
294521035	SA-8b-DW	ND	Cellulose 5-10% Binder 90-95%
294521036	SA-8b-JC	ND	Binder 99-100%
294521037	SA-8b-Tape	ND	Cellulose 99-100%
294521038	SA-8c-DW	ND	Cellulose 5-10% Binder 90-95%
294521039	SA-8c-JC	ND	Binder 99-100%
294521040	SA-8c-Tape	ND	Cellulose 99-100%
294521041	SA-8d-JC	ND	Binder 99-100%
294521042	SA-8d-Tape	ND	Cellulose 99-100%
294521043	SA-9a1	ND	Binder 99-100%
294521044	SA-9b1	ND	Binder 99-100%
294521045	SA-9c1	ND	Binder 99-100%
294521046	SA-9a1-M	ND	Binder 99-100%
294521047	SA-9b1-M	ND	Binder 99-100%
294521048	SA-9c1-M	ND	Binder 99-100%
294521049	SA-9a2	Chrysotile 1-5%	Binder 95-99%

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Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
294521050	SA-9b2	Chrysotile 1-5%	Binder 95-99%
294521051	SA-9c2	Chrysotile 1-5%	Binder 95-99%
294521052	SA-9a2-M	Chrysotile 1-5%	Binder 95-99%
294521053	SA-9b2-M	Chrysotile 1-5%	Binder 95-99%
294521054	SA-9c2-M	Chrysotile 1-5%	Binder 95-99%
294521055	SA-10a	ND	Cellulose 20-25% Binder 75-80%
294521056	SA-10b	ND	Cellulose 20-25% Binder 75-80%
294521057	SA-10c	ND	Cellulose 20-25% Binder 75-80%
294521058	SA-11a	ND	Binder 99-100%
294521059	SA-11b	ND	Binder 99-100%
294521060	SA-11c	ND	Binder 99-100%
294521061	SA-11a-M	ND	Binder 99-100%
294521062	SA-11b-M	ND	Binder 99-100%
294521063	SA-11c-M	ND	Binder 99-100%
294521064	SA-12a	ND	Binder 99-100%
294521065	SA-12b	ND	Binder 99-100%

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Henry Robateau Microscopist

**Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com



NVLAP Lab Code 101202-0

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Batch No.: 294521
Customer No.: 298

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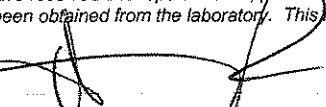
Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
294521066	SA-12c	ND	Binder 99-100%
294521067	SA-13a	Chrysotile 1-5%	Binder 95-99%
294521068	SA-13b	Chrysotile 1-5%	Binder 95-99%
294521069	SA-13c	Chrysotile 1-5%	Binder 95-99%
294521070	SA-13a-M	Chrysotile 1-5%	Binder 95-99%
294521071	SA-13b-M	Chrysotile 1-5%	Binder 95-99%
294521072	SA-13c-M	Chrysotile 1-5%	Binder 95-99%
294521073	SA-14a	Chrysotile 1-5%	Binder 95-99%
294521074	SA-14b	Chrysotile 1-5%	Binder 95-99%
294521075	SA-14c	Chrysotile 1-5%	Binder 95-99%
294521076	SA-14a-M	Chrysotile 1-5%	Binder 95-99%
294521077	SA-14b-M	Chrysotile 1-5%	Binder 95-99%
294521078	SA-14c-M	Chrysotile 1-5%	Binder 95-99%
294521079	SA-15a	Chrysotile 1-5%	Binder 95-99%
294521080	SA-15b	Chrysotile 1-5%	Binder 95-99%
294521081	SA-15c	Chrysotile 1-5%	Binder 95-99%
294521082	SA-15d	Chrysotile 1-5%	Binder 95-99%
294521083	SA-15a-M	Chrysotile 1-5%	Binder 95-99%

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Date Received: 03/25/2011
Date Analyzed: 04/01/2011
Date Reported: 04/01/2011
Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
294521084	SA-15b-M	Chrysotile 1-5%	Binder 95-99%
294521085	SA-15c-M	Chrysotile 1-5%	Binder 95-99%
294521086	SA-15d-M	Chrysotile 1-5%	Binder 95-99%
294521087	SA-16a	ND	Binder 99-100%
294521088	SA-16b	Chrysotile 1-5%	Binder 95-99%
294521089	SA-16c	Chrysotile 1-5%	Binder 95-99%
294521090	SA-16d	Chrysotile 1-5%	Binder 95-99%
294521091	SA-17a	ND	Cellulose 5-10% Binder 90-95%
294521092	SA-17b	ND	Cellulose 5-10% Binder 90-95%
294521093	SA-17c	ND	Cellulose 5-10% Binder 90-95%
294521094	SA-18a	ND	Binder 99-100%
294521095	SA-18b	ND	Binder 99-100%
294521096	SA-18c	ND	Binder 99-100%
294521097	SA-19a	ND	Cellulose 20-25% Binder 75-80%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

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Analyzed by Name:

Henry Robateau / Microscopist

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com



NVLAP Lab Code 101202-0

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

URS Corporation
100 South Wacker Drive Suite 500
Chicago, IL 60606
Phone: (312) 939-1000
Fax: (312) 939-4198

Reference: 2536 7713.52000
Location: Tropicana C Hgts
Batch No.: 294521
Customer No.: 298

Date Received: 03/25/2011
Date Analyzed: 04/01/2011
Date Reported: 04/01/2011
Turn Around Time: 5 Days

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
294521098	SA-19b	ND	Cellulose 20-25% Binder 75-80%
294521099	SA-19c	ND	Cellulose 20-25% Binder 75-80%
294521100	SA-20a	ND	Cellulose 20-25% Binder 75-80%
294521101	SA-20b	ND	Cellulose 20-25% Binder 75-80%
294521102	SA-20c	ND	Cellulose 20-25% Binder 75-80%
294521103	SA-21a	ND	Cellulose 20-25% Binder 75-80%
294521104	SA-21b	ND	Cellulose 20-25% Binder 75-80%
294521105	SA-21c	ND	Cellulose 20-25% Binder 75-80%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

Components of inhomogeneous samples are analyzed per our Standard Operating Procedure, or per customer request.

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Analyzed by Name _____

Henry Robateau / Microscopist

CHAIN OF CUSTODY RECORD Page: of

Client: LRS CORPORATION
 Street Address: 100 S Wacker #500
 City, State, Zip: Chicago, IL 60606
 Phone: 312.939.1000
 Fax: 312.939.4198
 e-mail/Alt. Fax: statcy-mccance@es.com
 Project Name: Tropicana
 Project Number: 2536 7713.5200
 Project Location: 4. 1773.
 Project Manager: S. McCance
 P.O. Number:

Turn Around: Immediate ☐ 4 Hrs: ☐ 8 Hrs: ☐ 12 Hrs: ☐ 24 Hrs: ☐ 48 Hrs: ☐ 72 Hrs: ☐ 5 Days: ☒
 Date Due: Time Due:

OFFICE USE ONLY BELOW:

Batch No.: 294521Samples Acceptable: Yes: ☒ No: ☐Checked by (Initial/Date): QC by (Initial/Date): Reported By (Initial/Date/Time/Method): Comments:

Relinquished by: Date/Time: 3.24.11 1:10
 Received by: Date/Time: 3/25/11 9:50A
 Relinquished by: Date/Time:
 Received by: Date/Time:
 Relinquished by: Date/Time:
 Received by: Date/Time:

Client Sample Number/Description:	Date Taken	Time		Rate (lpm)	Volume (Liters)	Area Wiped (ft ²)	Laboratory Sample No.	Lead Air	Lead Ambient Air	Lead Based Paint	Lead Soil	Lead Waste Water	Lead Wipe	PCM Asbestos	PLM Asbestos (Bulk)	PLM Point Count	TEM Air Asbestos	TEM Bulk Asbestos	TEM Gravimetric Asb.	TEM Microvac Asb.	TEM Water	Dust NIOSH 500	Dust NIOSH 600	Other:
		On	Off																					
1a Kitchen ceiling plaster - east central	3.22.11																							
1b Kitchen ceiling plaster - N wall above hallway																								
1c Kitchen ceiling plaster - NEE (shelving)																								
2 Kitchen equipment (stove) - back of wall																								
3a 12x12 ft kitchen																								
3b Black marble hallway																								
3c " " " " " " " "																								
4a 4" brown VBL w/ marbles - tan/yellow/brown																								
4b " " " " " " " "																								
4c " " " " " " " "																								
5a 14" tan square 12x12 ft by fireplace w/ marbles: black																								
b " " " " " " " "																								
c " " " " " " " "																								

Comments: Report by 1/3 (marble & floor tile)

CHAIN OF CUSTODY RECORD

Page: of

[illegible]

Comments: Report layers.
 * (1) wood w/ yellow mastic (2) over
 (3) tan/brown F w/ brown/~~tan~~ mastic
 yellow

CHAIN OF CUSTODY RECORD Page: 1 of 1

Client:	<u>URS CORPORATION</u>		
Street Address:	<u>100 S Walker #500</u>		
City, State, Zip:	<u>CHICAGO, IL 60606</u>		
Phone:	<u>312.939.1000</u>		
Fax:	<u>312.939.4198</u>		
e-mail/Alt. Fax:	<u>stacy-mccance@urscorp.com</u>		
Project Name:	<u>Tropicana</u>		
Project Number:	<u>25367713.52000</u>		
Project Location:	<u>C. Hgts.</u>		
Project Manager:	<u>S. McCance</u>		
P.O. Number:			

Turn Around:	Immediate	4 Hrs:	8 Hrs:	12 Hrs:	24 Hrs:	48 Hrs:	72 Hrs:	5 Days:
Date Due:								

Time Due: 294521

Office Use Only Below:

Batch No.: 294521

Samples Acceptable: Yes ☒ No ☐

Checked by (Initial/Date): SM 4/11

QC by (Initial/Date):

Reported By (Initial/Date/Time/Method):

Comments:

Client Sample Number/Description:	Date Taken	Time On	Time Off	Rate (bpm)	Volume (Liters)	Area Wiped (ft ²)	Laboratory Sample No.	Lead Air	Lead Ambient Air	Lead Based Paint	Lead Soil	Lead Waste Water	Lead Wipe	PCM Asbestos	PLM Asbestos (Bulk)	PLM Point Count	TBM Air Asbestos	TBM Bulk Asbestos	TBM Gravimetric Asb.	TBM Microvac Asb.	TEM Water	Dust NIOSH 500	Dust NIOSH 600	Other:
9C wood pattern 12x12 FT over tan/brown 12x12 FT plus mastic: brown; black; yellow	3/22/11																							
10A CT-2x4 orange wall																								
B "																								
C "																								
11A 4" dark brown VBL w/ yellow brown																								
B " mastic (same as 042-2)																								
C "																								
12A Yellow carpet mastic under																								
B green carpeting																								
C small banquet																								
13A small bang 12x12 FT under																								
B carpet & dance floor - mostly white w/ red tiles																								

Comments: Report layers

CHAIN OF CUSTODY RECORD Page: 1 of 1

Client: <u>URS CORPORATION</u>		Turn Around: Immediate: <input type="checkbox"/> 4 Hrs: <input type="checkbox"/> 8 Hrs: <input type="checkbox"/> 12 Hrs: <input type="checkbox"/> 24 Hrs: <input type="checkbox"/> 48 Hrs: <input type="checkbox"/> 72 Hrs: <input type="checkbox"/> 5 Days: <input checked="" type="checkbox"/>
Street Address: <u>100 S Wacker #500</u>		Relinquished by: <u>[Signature]</u> Date/Time: <u>3/14/11 6:20</u>
City, State, Zip: <u>CHICAGO, IL 60606</u>		Received by: <u>BOB</u> Date/Time: <u>3/15/11 9:07</u>
Phone: <u>312.939.1000</u>		Relinquished by: <u></u> Date/Time: <u></u>
Fax: <u>312.939.4198</u>		Received by: <u></u> Date/Time: <u></u>
e-mail/Alt. Fax: <u>stacy-mccance@urscorp.com</u>		Relinquished by: <u></u> Date/Time: <u></u>
Project Name: <u>Troniana</u>		Received by: <u></u> Date/Time: <u></u>
Project Number: <u>25367713.52000</u>		Relinquished by: <u></u> Date/Time: <u></u>
Project Location: <u>CHYLS</u>		Received by: <u></u> Date/Time: <u></u>
Project Manager: <u>S. McCance</u>		Relinquished by: <u></u> Date/Time: <u></u>
P.O. Number: <u></u>		Received by: <u></u> Date/Time: <u></u>

Batch No.: <u>294521</u>		Office Use Only Below
Samples Acceptable: Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>		
Checked by (Initial/Date): <u>[Signature]</u>		
QC by (Initial/Date): <u>[Signature]</u>		
Reported By (Initial/Date/Time/Method): <u></u>		
Comments: <u></u>		

Client Sample Number/Description	Time		Date Taken	Rate (ppm)	Volume (Liters)	Area Wiped (ft ²)	Laboratory Sample No.
	On	Off					
13 C blade mastic			3.22.11				
14 A 9x9 ft Estacoll white/gray w/ black mastic							
B "							
C "							
15 A 6x6 board - mix of FTs... big stage 12x12 brown w/ black mastic							
B 6x6 stage 9x9 gray/tan.							
C Brown & white 12x12 under carpet w/ black & yellow/brown mastic							
D 9x9 brown w/ black mastic							
16 A ceiling texture w/ paint (pink) (same as)							
B " (pink)							
C " (pink)							
D " (burgundy)							
17 A 6x6 board 12x12 under carpet w/ black mastic							

Lead Air	Lead Ambient Air	Lead Based Paint	Lead Soil	Lead Waste Water	Lead Wipe	PCM Asbestos	PLM Asbestos (Bulk)	PLM Point Count	TBM Air Asbestos	TBM Bulk Asbestos	TBM Gravimetric Asb.	TBM Microvac Asb.	TEM Water	Dust NIOSH 500	Dust NIOSH 600	Other:

Comments: Report values.

CHAIN OF CUSTODY RECORD

Page: 1 of 1

Turn Around: Immediate: ☐ 4 Hrs: ☐ 8 Hrs: ☐ 12 Hrs: ☐ 24 Hrs: ☐ 48 Hrs: ☐ 72 Hrs: ☐ 5 Days: ☒

Date Due: 3/24/11

Client: URS CORPORATION
Street Address: 100 S Wacker #500
City, State, Zip: CHICAGO, IL 60606
Phone: 312.939.1000
Fax: 312.939.4198
e-mail/Alt. Fax: stacy-mccance@urscorp.com
Project Name: Tropicana
Project Number: 25367413.52000
Project Location: CHATS
Project Manager: S. McCance
P.O. Number:

OFFICE USE ONLY BELOW

Batch No.: 294521
Samples Acceptable: Yes: ☒ No: ☐
Checked by (Initial/Date): [Signature]
QC by (Initial/Date): [Signature]
Reported By (Initial/Date/Time/Method):

Relinquished by: [Signature] Date/Time: 3/24/11 12:00
Received by: PROX Date/Time: 3/24/11 9:50
Relinquished by: Date/Time:
Received by: Date/Time:
Relinquished by: Date/Time:
Received by: Date/Time:

Client Sample Number/Description	Date Taken	Time On	Time Off	Rate (ppm)	Volume (Liters)	Area Wiped (ft ²)	Laboratory Sample No.	Lead Air	Lead Based Paint	Lead Soil	Lead Waste Water	Lead Wipe	PCM Asbestos	PLM Asbestos (Bulk)	PLM Point Count	TBM Air Asbestos	TBM Bulk Asbestos	TBM Gravimetric Asb.	TBM Microvac Asb.	TBM Water	Dust NIOSH 500	Dust NIOSH 600	Other:
17b drywall (older)	3/24/11																						
C "																							
18a black and gray																							
18a 12x12 FT black																							
b " mastic by bang bar																							
C "																							
19a 2x2 CT w/ black																							
b " east side of paint																							
C " restroom-ut																							
20a 2x4 CT entrance-hy																							
b " 7th office																							
C " 6th entrance																							
21a entrance mastic on																							
b " concrete yellow 5																							
C " gray																							
N																							

Comments: Report later

**Analysis Corporation**

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com



NVLAP Lab Code 101202-0

ASBESTOS ANALYSIS BY POLARIZED LIGHT MICROSCOPY

Method: EPA-600/M4-82-020

URS Corporation
100 South Wacker Drive Suite 500
Chicago, IL 60606
Phone: (312) 939-1000
Fax: (312) 939-4198

Reference: 2536 7713.52000/Tropicana C Hgts Date Received: 04/28/2011
Location: Samples taken from PLM B#294521 Date Analyzed: 04/28/2011
Batch No.: 295092 Date Reported: 04/28/2011
Customer No.: 298 Turn Around Time: 1 Day

Laboratory Sample	Customer Sample Number	Asbestos Components (%)	Non-Asbestos Components (%)
295092001	18a-M	Chrysotile 1-5%	Binder 95-99%
295092002	18b-M	Chrysotile 1-5%	Binder 95-99%
295092003	18c-M	Chrysotile 1-5%	Binder 95-99%

ND = Asbestos Not Detected (Not Present) NA = Not Analyzed NS = Not Submitted

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Analyzed by Name:

Henry Robateau Microscopist

295092

Deidre Jones

From: Stacy_McCance@URSCorp.com
Sent: Wednesday, April 27, 2011 5:35 PM
To: Deidre Jones
Subject: Re: Tropicana C Hgts

Deidre - Can you have the analyst report the mastic results (as a separate layer) for samples 18a-c?
Thanks!

"Deidre Jones" <DJones@StatAnalysis.com>

To "Stacy McCance (E-mail)" <stacy_mccance@urscorp.com>

cc

04/01/2011 05:01 PM

Subject Tropicana C Hgts

Attached is the typed PLM report/Invoice for the above mention project

<<294521.pdf>> <<294521-INV.pdf>>

Deidre Jones
STAT Analysis Corporation
(312)733-0551

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4/28/2011

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

March 29, 2011

URS

100 S. Wacker Suite 500

Chicago, IL 60606

Telephone: (312) 939-1000

Fax: (312) 939-4198

RE: 25367713.52000, Tropicana, Chi. Hgts.

STAT Project No: 11030697

Dear Stacy McCance:

STAT Analysis received 8 samples for the referenced project on 3/25/2011 9:30:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met AIHA, EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. Sample acceptance criteria has been met unless noted in the Case Narrative or Sample Receipt Checklist. If required, an estimate of uncertainty for the analyses can be provided. Sample results have not been corrected for contamination based on field blank or other analytical blank, unless noted in the case narrative.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini

Project Manager

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STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATanalysis.com

Accreditation Numbers : IEPA ELAP 100445 ; ORELAP IL300001 ; AIHA 101160

Date Reported: March 29, 2011

Date Printed: March 29, 2011

Client: URS
Lab Order: 11030697
Project: 25367713.52000, Tropicana, Chi. Hgts.

Client ID	Additional Info	Sample ID	Matrix	Lead Result	Units	Qualifier	Analyst	Date Analyzed	Analytical Method
1 (P-01) Kitchen Ceiling; Tan		11030697-001A	Paint Chips	< 96	mg/Kg		BPJ	03/26/2011	N7082
2 (P-02) Dishwasher On Duct; White		11030697-002A	Paint Chips	470	mg/Kg		BPJ	03/26/2011	N7082
3 (P-03) Basement Wall; Tan/White		11030697-003A	Paint Chips	850	mg/Kg		BPJ	03/26/2011	N7082
4 (P-04) Yellow/Gray On Exterior Entrance		11030697-004A	Paint Chips	< 85	mg/Kg		BPJ	03/26/2011	N7082
5 (P-05) White/Gray On Ceiling Exterior Entrance		11030697-005A	Paint Chips	290	mg/Kg		BPJ	03/26/2011	N7082
6 (P-06) Red Txtr (Back Room-SWC)		11030697-006A	Paint Chips	< 96	mg/Kg		BPJ	03/26/2011	N7082
7 (P-07) Big Bang Pink Texture		11030697-007A	Paint Chips	< 91	mg/Kg		BPJ	03/26/2011	N7082
8 (P-08) Big Bang Burgundy Texture		11030697-008A	Paint Chips	< 95	mg/Kg		BPJ	03/26/2011	N7082

Reporting limit for paints is 100 mg/Kg based on 0.05 g sample digested.

Qualifiers: B - Analyte detected in the associated Method Blank
S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

* - Non-accredited parameter

CHAIN OF CUSTODY RECORD

Page: _____ of _____
ACCREDITED
LABORATORY

Comments: